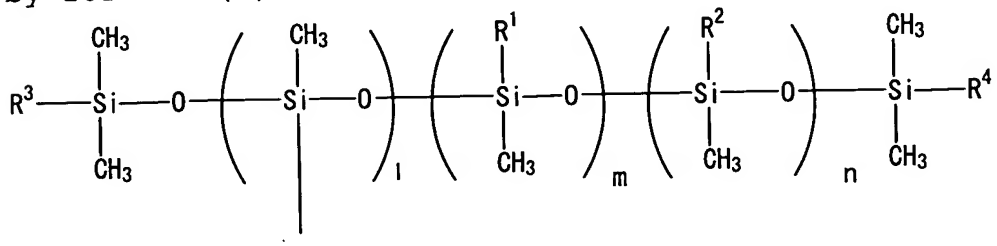
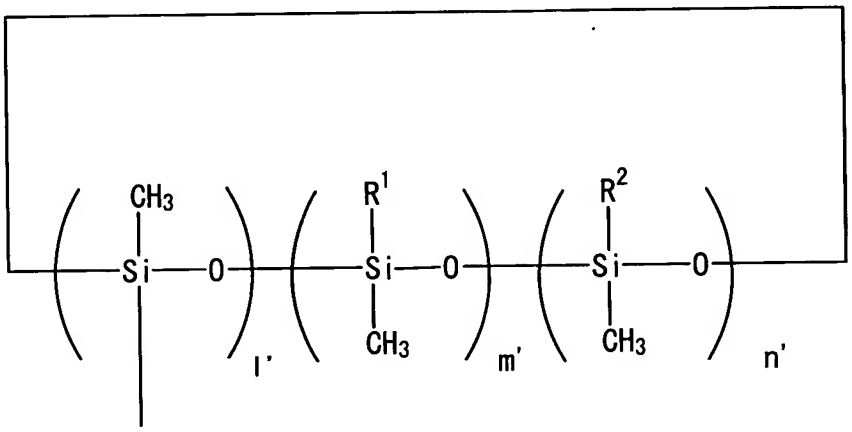
CLAIMS

1. An organic polymer having an end structure represented by formula (1) or (2):



(1)

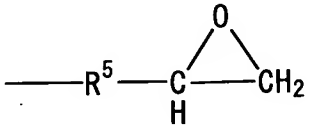
(wherein $R^1$ is an epoxy-containing monovalent organic group; $R^2$ is a hydrocarbon group having 1 to 20 carbon atoms and may contain at least one phenyl group; $R^3$ and $R^4$ are each a methyl group or the same as $R^1$ or $R^2$, or one of $R^3$ and $R^4$ is a bond to the organic polymer; l is 1 on average and represents a bond to an end of the organic polymer but l is 0 when one of $R^3$ and $R^4$ is a bond to an end of the organic polymer; $1 \leq m+n \leq 50$, $1 \leq m$, and $0 \leq n$; the position of each unit is not limited; and when a plurality of units is contained, the units may be alternately or randomly arranged.)



(2)

(wherein $R^1$ and $R^2$ are the same as in formula (1); l' is 1 on average and represents a bond to an end of the organic polymer; $1 \leq m'+n' \leq 20$, $1 \leq m'$, and $0 \leq n'$; the position of each unit is not limited; and when a plurality of units is contained, the units may be alternately or randomly arranged.)

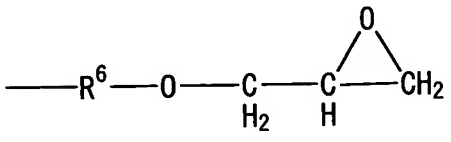
2. The organic polymer according to claim 1, wherein the $R^1$ has a structure represented by formula (3):



(3)

(wherein $R^5$ represents a divalent organic group having 1 to 20 carbon atoms and containing at least one constituent atom selected from the group consisting of hydrogen, oxygen, and nitrogen.)

3. The organic polymer according to claim 1, wherein the $R^1$ has a structure represented by formula (4):



(4)

(wherein $R^6$ represents a divalent organic group having 1 to 20 carbon atoms and containing at least one constituent atom selected from the group consisting of hydrogen, oxygen, and nitrogen.)

4. The organic polymer according to any one of claims 1 to 3, wherein the main skeleton of the polymer comprises a saturated hydrocarbon polymer selected from the group consisting of polyisobutylene, hydrogenated polyisoprene, hydrogenated polybutadiene, and copolymers thereof.

5. The organic polymer according to any one of claims 1 to 3, wherein the main skeleton of the polymer comprises an oxyalkylene polymer or a vinyl polymer.

6. The organic polymer according to any one of claims 1 to 5, wherein the organic polymer is produced by addition reaction between an organic polymer having unsaturated groups at its ends and a hydrosilane compound having an epoxy group.

7. The organic polymers according to any one of claims 1 to 5, wherein the organic polymer is produced by addition reaction between an organic polymer having unsaturated groups at its ends and a hydrosilane compound having a plurality of hydrosilyl groups, and then addition reaction

with an epoxy-containing compound having an unsaturated group at an end.

8. A process for producing the organic polymer according to any one of claims 1 to 5, the process comprising addition reaction between an organic polymer having unsaturated groups at its ends and a hydrosilane compound having an epoxy group.

9. A process for producing the organic polymer according to any one of claims 1 to 5, the process comprising addition reaction between an organic polymer having unsaturated groups at its ends and a hydrosilane compound having a plurality of hydrosilyl groups, and then addition reaction with an epoxy-containing compound having an unsaturated group at an end.